

## CLAIM AMENDMENTS

1           1. (Currently amended) A therapeutic agent which com-  
2       prises as therapeutically effective ingredients: alpha-ketoglutaric  
3       acid or its pharmaceutically effective salts and ~~at least one~~  
4       ~~compound~~ 5-hydroxymethyl-furfural promoting azomethine formation in  
5       an enzyme independent reaction ~~and selected from the group consist-~~  
6       ~~ing of 5-hydroxymethyl-furfural, dehydroascorbic acid, malt and~~  
7       ~~vanillin~~, whereby the mass ratio of the ketoglutaric acid to the ~~at~~  
8       ~~least azomethine formation promoting compound~~ 5-hydroxymethyl-  
9       furfural is greater than 1:1 and wherein the therapeutic agent  
10      contains as further therapeutically effective ingredients: N-  
11      acetyl-seleno-L-methionine and N-acetyl-L-methionine whereby the  
12      latter is present in excess with respect to the former, in an  
13      amount sufficient to suppress uptake of the N-acetyl-seleno-L-  
14      methionine into body tissues.

1           2. (Previously presented) The therapeutic agent accord-  
2       ing to claim 1 characterized in that the mass ratio of alpha-  
3       ketoglutaric acid to N-acetyl-seleno-L-methionine is 100:1 to  
4       20000:1.

1           3. (Previously presented) The therapeutic agent accord-  
2       ing to claim 1 wherein the mass ratio of N-acetyl-L-methionine to  
3       N-acetyl-seleno-L-methionine is 20:1 to 300:1.

1           4. (Previously presented) The therapeutic agent accord-  
2 ing to claim 1 wherein it further comprises glucose, fructose or a  
3 mixture thereof.

5. (Canceled)

1           6. (Previously presented) The therapeutic agent accord-  
2 ing to claim 1, wherein it is put up in an aqueous solution and the  
3 N-acetyl-seleno-L-methionine is present in an amount of 1.4 to 2.3  
4 mg/l and the N-acetyl-L-methionine is present in an amount of 70 to  
5 230 mg/l.

1           7. (Previously presented) The therapeutic agent accord-  
2 ing to claim 4 wherein it contains an electrolyte from the group of  
3 sodium or potassium.

1           8. (Previously presented) The therapeutic agent accord-  
2 ing to claim 1 wherein it is administered intravenously and has a  
3 pH value of 4 to 6.

1           9. (Currently amended) The therapeutic agent according  
2 to claim 4 or claim 7 wherein the alpha-ketoglutaric acid is  
3 present in a concentration of 3 to 20 g/l, the ~~compound promoting~~  
4 ~~azomethine formation is~~ 5-hydroxymethylfurfural is present in a  
5 concentration of 1 to 3 g/l, the glucose is present in a concentra-  
6 tion of 20 to 100 g/l, the sodium ion is present in a concentration

7 of 60 to 160 mmol/l and the potassium ion is present in a concen-  
8 tration of 15 to 40 mmol/l.

1 10. (Previously presented) The therapeutic agent accord-  
2 ing to claim 9 wherein the alpha-ketoglutaric acid is present in a  
3 concentration of 6 to 16 g/l, 5-hydroxymethylfurfural is present in  
4 a concentration of 1 to 2.5 g/l, the glucose in a concentration of  
5 20 to 50 g/l, the sodium ion in a concentration of 70 to 160 mmol/l  
6 and the potassium ion is present in a concentration of 20 to 40  
7 mmol/l.

1 11. (Previously presented) The therapeutic agent accord-  
2 ing to claim 1 which is put up in a solid or liquid or oral or  
3 rectal administration dosage form which contains the ketoglutaric  
4 acid at least in part in the form of a monosodium or monopotassium  
5 salt thereof.

1 12. (Previously presented) The therapeutic agent accord-  
2 ing to claim 11 which further comprises a lubricating agent and/or  
3 extender and/or a taste improving disaccharide.

1 13. (Previously presented) The therapeutic agent accord-  
2 ing to claim 11 which comprises in the dosage unit 3 to 9 g of  
3 alpha-ketoglutaric acid, 0.5 to 1.5 g 5-hydroxymethyl-furfural, 1.4  
4 to 2.3 mg N-acetyl-seleno-L-methionine and 70 to 230 mg of N-  
5 acetyl-L-methionine.

1           14. (Currently amended) A method of making a therapeutic  
2 agent in a form suitable for intravenous administration according  
3 to claim 8 wherein the alpha-ketoglutaric acid is dissolved at  
4 elevated temperature in distilled water which has had its oxygen  
5 content reduced by a gasification and glucose or fructose added to  
6 it together with alkalies other than ammonia or amines, the pH  
7 being adjusted to be in a range of 4 to 6 and N-acetyl-seleno-L-  
8 methionine, N-acetyl-L-methionine and the ~~compound promoting~~  
9 ~~azomethine formation~~ 5-hydroxymethyl-furfural are added.

1           15. (Currently amended) A method of making a preparation  
2 suitable for oral or rectal administration according to claim 11  
3 wherein to adjust the pH from 3 to 6 the ketoglutaric acid is  
4 partly to entirely used in the form of its monosalt with sodium  
5 and/or potassium and in which extenders and if desired also  
6 disaccharides are mixed therewith and to this mixture the ~~compound~~  
7 ~~promoting azomethine formation~~ 5-hydroxymethyl-furfural, the N-  
8 acetyl-seleno-L-methionine and the N-acetyl-L-methionine are added  
9 whereupon the mixture is put up in the desired form of administer-  
10 ing as a particle, granulate, in tablets, or in an irrigating  
11 liquid.

16. (Canceled)

17. (Canceled)

1           18. (Previously presented) A cytocidal method of treat-  
2 ing a malignant breast, uterine, esophageal, bladder or lung tumor  
3 in a patient afflicted with said malignant tumor which comprises  
4 the step of administering to said patient, an amount of the thera-  
5 peutic agent defined in claim 1, effective to treat the malignant  
6 tumor by suppressing angiogenic activity of the tumor.

1           19. (Previously presented) The cytocidal method of  
2 treating a malignant tumor defined in claim 18 wherein the thera-  
3 peutic agent is administered to the patient orally, rectally, in  
4 the form of an irrigation, or as an intravenous infusion.

1           20. (Previously presented) The cytocidal method of  
2 treating a malignant tumor defined in claim 19 wherein the thera-  
3 peutic agent is administered to the patient as an intravenous  
4 infusion.

21. (Canceled)

22. (Canceled)

1           23. (Allowed) A therapeutic agent administrable as an  
2 intravenous infusion, which consists essentially of:  
3 alpha-ketoglutaric acid                   3 - 20 g/l  
4 5-hydroxymethylfurfural               1 - 3 g/l  
5 N-acetyl-seleno-L-methionine       1.4 - 2.3 mg/l

6 N-acetyl-L-methionine 70 - 230 mg/l  
7 glucose 20 - 100 g/l  
8 sodium ion 60 - 160 mmol/l and  
9 potassium ion 15 - 40 mmol/l  
10 in combination with a pharmaceutically acceptable inert carrier  
11 suitable for intravenous administration.

1 24. (Allowed) A cytocidal method of treating a malignant  
2 breast, uterine, esophageal, bladder or lung tumor in a patient  
3 afflicted with said malignant tumor which comprises the step of  
4 administering to said patient, by intravenous infusion, an amount  
5 of the therapeutic agent defined in claim 23, effective to treat  
6 the malignant tumor by suppressing angiogenic activity of the  
7 tumor.

1 25. (Allowed) The therapeutic agent administrable as an  
2 intravenous infusion, defined in claim 23 wherein the alpha-  
3 ketoglutaric acid is present in an amount of 9.0 g/l; the 5-  
4 hydroxymethylfurfural is present in an amount of 3.0 g/l; the N-  
5 acetyl-seleno-L-methionine is present in an amount of 2.0 mg/l; and  
6 the N-acetyl-L-methionine is present in an amount of 100 mg/l.

1           26. (Allowed) A cytocidal method of treating a breast,  
2     uterine, esophageal, bladder or lung carcinoma in a patient af-  
3     flicted with said carcinoma which comprises the step of administer-  
4     ing to said patient, by intravenous infusion, an amount of the  
5     therapeutic agent defined in claim 25, effective to treat the  
6     carcinoma by suppressing angiogenic activity of the carcinoma.